Title (en)

Pulse signal generation method and apparatus

Title (de)

Verfahren und Gerät zum Erzeugen eines Impulssignals

Title (fr)

Dispositif et méthode de génération d'un signal impulsionnel

Publication

EP 0909962 A3 19990811 (EN)

Application

EP 98650062 A 19980911

Priority

JP 25154097 A 19970917

Abstract (en)

[origin: EP0909962A2] A pulse signal generator comprises a magnetic element (1) capable of causing a large Barkhausen jump, a detector (2) provided in relation to the magnetic element, a magnetic field source (3) provided in the vicinity of the magnetic element to produce a biasing magnetic field which causes a predetermined magnetization of the magnetic element, and a magnetic circuit forming member (4) provided in the vicinity of the magnetic element to produce a main magnetic field which cause a large Barkhausen jump in the magnetic element such that movement of the object to be detected (10) changes the main magnetic field of the magnetic circuit forming member thereby causing a large Barkhausen jump to provide a pulse signal. <IMAGE>

IPC 1-7

G01V 3/08; G01R 33/02

IPC 8 full level

G01P 3/481 (2006.01); **G01D 5/18** (2006.01); **G01D 5/20** (2006.01); **G01D 5/245** (2006.01); **G01R 33/02** (2006.01); **G01V 3/08** (2006.01); **H01L 43/00** (2006.01); **H03K 3/45** (2006.01); **H03K 17/95** (2006.01)

CPC (source: EP US)

G01D 5/2013 (2013.01 - EP US); **G01P 3/488** (2013.01 - EP US); **G01V 3/08** (2013.01 - EP US); **H03K 17/9515** (2013.01 - EP US)

Citation (search report)

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DOCDB simple family (application)

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